Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	98	artificial near3 leaflet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/18 15:28
L2	353	leaflet with thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/18 15:29
L3	60	leaflet with thickness with (mm or millimeter or cm or centimeter or inches or mils or microns or micrometers)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/18 15:34
L4	2	("20050159810").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/18 15:34
L5	1	4 and mm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/18 15:44

US-PAT-NO: 5236448

DOCUMENT-IDENTIFIER: US 5236448 A

TITLE: Heart valve prosthesis

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Brief Summary Text - BSTX (17):

The vitreous carbon artefacts (that is, the valve body and the pair of **leaflets**) are generally produced by a process comprising partially curing a substantially water-free phenolic resin in ambient atmosphere; precision moulding the partially cured phenolic resin in an enclosed mould having moulding surfaces of optical quality (as defined above), which are preferably such that the resulting moulding has a maximum **thickness** not exceeding 6 **millimeters,** under such conditions that the resulting moulding is substantially fully cured, substantially pore-free, and transparent; gradually heating the resulting moulding in a non-oxidising atmosphere over a period of at least twenty hours to final temperature of at least 1000.degree. C.; and maintaining the final temperature until the moulding is substantially fully carbonized to vitreous carbon.

US-PAT-NO: 5607469

DOCUMENT-IDENTIFIER: US 5607469 A

TITLE: Bi-leaflet prosthetic heart valve

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Detailed Description Text - DETX (21):

The **leaflets** are made of rigid material and comprise a typical wall **thickness** of between about 0.5 **mm** and 2 **mm** in the area of the wing-like occluder. The wall thickness may increase when proceeding towards the sleeve portion, so that the surface of the leaflet facing the blood flow, in particular, provides a tangent-like and continuous transition in the curvature of the sleeve portion. In addition, and according to a preferred embodiment, the surface of the leaflet facing the blood flow may be provided with a convex contour or configuration. This provides a smooth configuration offering little resistance to the blood flow.

US-PAT-NO: 6562069

DOCUMENT-IDENTIFIER: US 6562069 B2

TITLE: Polymer leaflet designs for medical devices

---------- KWIC ---------

Detailed Description Text - DETX (63):

Suitable polymeric materials for formation into the leaflets include, for example, synthetic polymers as well as purified biological polymers and combinations thereof. Flexible polymers include elastomers and other polymers that can sustain significant flexure, bending, twisting, wear and/or deformation without structural failure. Preferred polymers are biocompatible. In preferred embodiments of flexible **leaflets**, the polymer **leaflets** **generally** **have a thickness** from about 50 **microns** to about 1000 **microns** and more preferably from about 100 **microns** to about 300 **microns**.